High School to College and Career Pathway: Secondary Area of Study: Agricultural Education

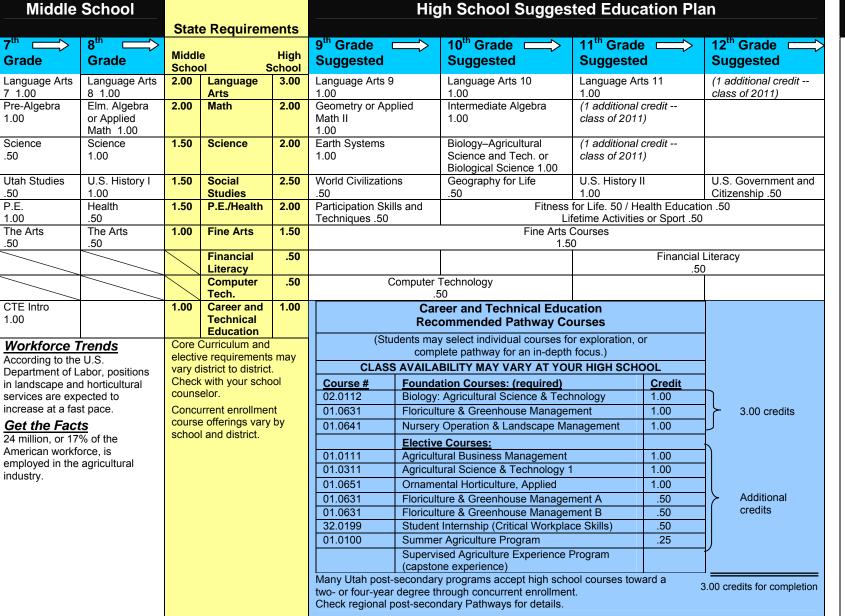
Pathway: Agricultural Systems Technology



Middle School		State Requirements		High School Suggested Education Plan				College & Careers	
7 th \Longrightarrow Grade	8 th \Longrightarrow Grade	Middle High School School		9 th Grade Suggested	10 th Grade	11 th Grade □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□	Suggested	Beyond High School	
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit class of 2011)		> Certificate > Associate degree
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50	> Bachelor degree> Professional degree> On-the-job training
P.E. 1.00 The Arts	Health .50 The Arts	1.50	P.E./Health Fine Arts	2.00	Participation Skills and Fitness for Life. 50 / Health Education .50 Techniques .50 Lifetime Activities or Sport .50 Fine Arts Courses				> Apprenticeship > Military training
.50	.50	1.00		.50	1.50 Financial Literacy				, ,
			Financial Literacy Computer				Financ	.50	Sample
	Tec			.50	Computer Technology .50				Occupations
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Career and Technical Education Recommended Pathway Courses (Students may select individual courses for exploration, or				> Agricultural Engineer > Agricultural Engineer Technician > Diesel Mechanic
Workforce Trends According to the U.S.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor. Concurrent enrollment course offerings vary by school and district.			complete pathway for an in-depth focus.) CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL				> Equipment Parts Mgr. > Environmental Tech.
Department of Labor, the growing interest in worldwide standardization of agricultural equipment should result in increased employment of					02.0112 Biology: 01.0211 Agricultu 01.0221 Agricultu	tion Courses: (required) Agricultural Science & Tech iral Systems Technology I iral Systems Technology II	Credit 1.00 1.00 1.00 1.00	3.00 credits	> Heavy Equipment Operator > Machinist > Recycling Technician > Welder
agricultural engineers. Job opportunities should also result from the increasing demand for agricultural products, the					Elective Courses:01.0111Agricultural Business Management1.0001.0241Agricultural Machinery Technology1.0001.0231Agricultural Mechanics, Advanced1.00		Additional	Violeti	
continued efforts for more efficient agricultural production, and the increasing emphasis on the conservation of resources.					32.0199 Student 01.0100 Summer	ral Science & Technology 1 Internship (Critical Workplac Agriculture Program sed Agriculture Experience F	ce Skills) .50 .25	credits	
Get the Facts Students enrolled in high school agricultural courses are looking to join a \$3.5-4.0 billion Utah industry.					(capstone experience) Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.			3.00 credits for completion	For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

Area of Study: Agricultural Education







Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

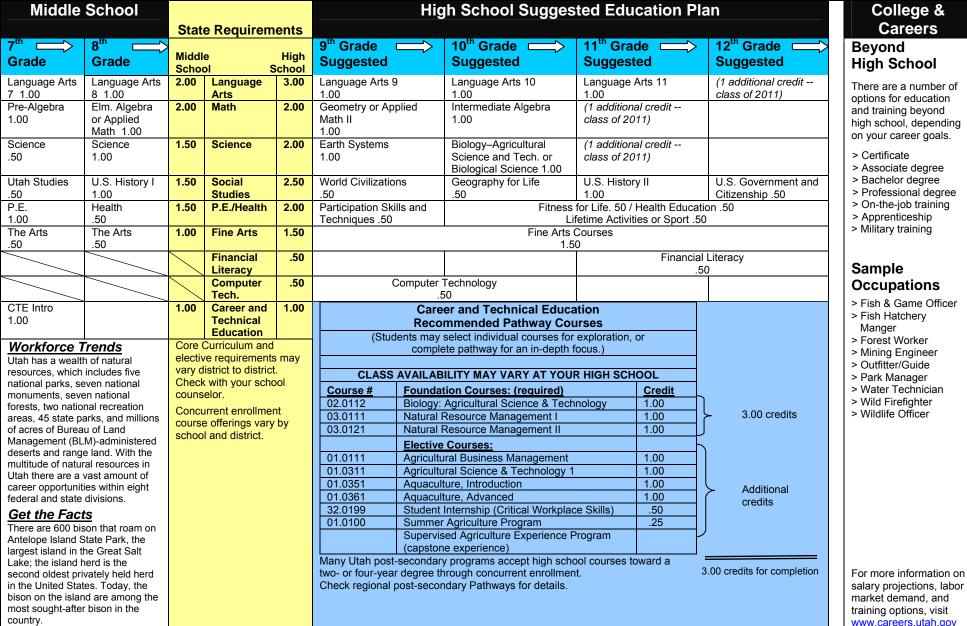
Sample Occupations

- > Arborist
- > Botanist
- > Forest Geneticist
- > Golf Course Superintendent
- > Greenhouse Operator
- > Landscape Architect
- > Plant Breeder
- > Soil & Water Specialist
- > Tree Surgeon

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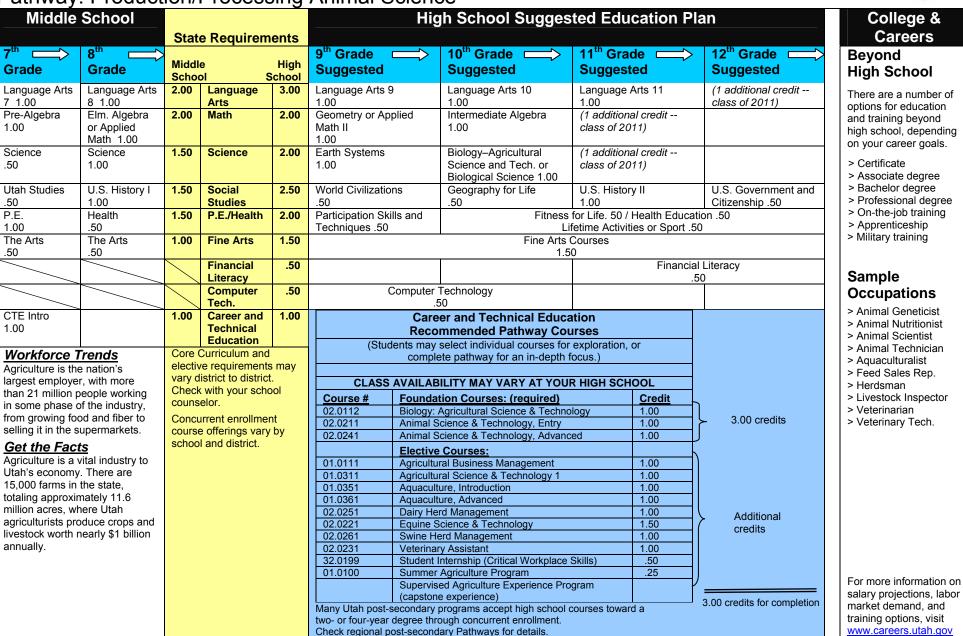
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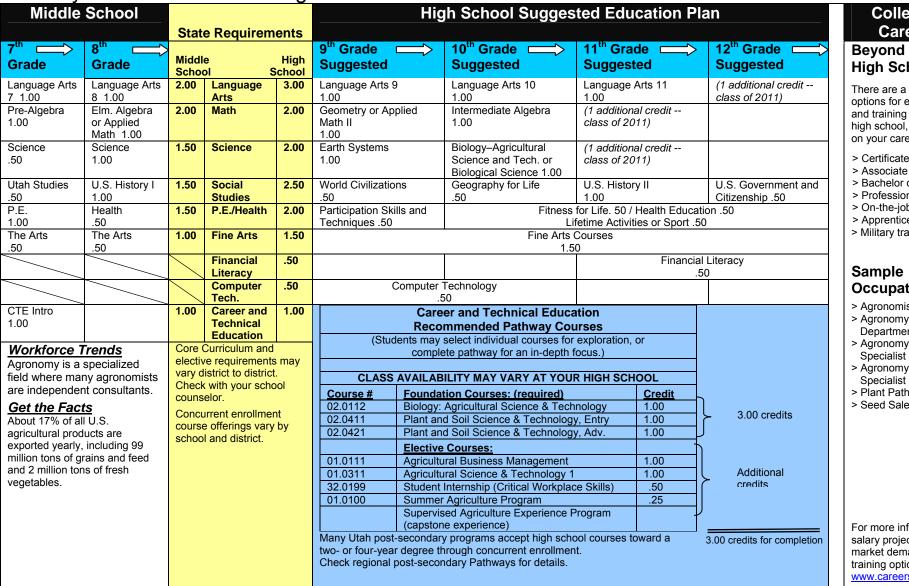
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Pathway: Production/Processing Plant & Soil Science



College & **Careers**

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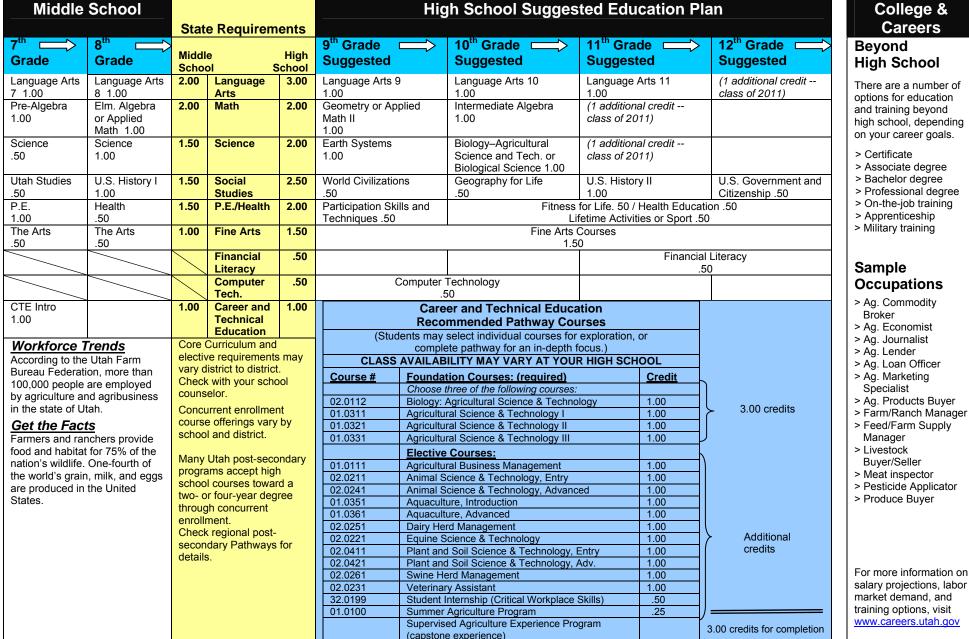
Sample **Occupations**

- > Agronomist
- > Agronomy
- Department Manager > Agronomy Production
- > Agronomy Tech.
- Specialist
- > Plant Pathologist
- > Seed Sales Manager

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Occupations

- > Ag. Commodity

- > Ag. Loan Officer
- > Ag. Marketing
- > Aq. Products Buyer
- > Feed/Farm Supply
- Buyer/Seller
- > Meat inspector
- > Pesticide Applicator
- > Produce Buyer

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